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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/845,667

DATE: 12/06/2001

TIME: 15:33:32

Input Set : A:\es.txt

Output Set: N:\CRF3\12062001\I845667.raw

SEQUENCE LISTING

ENTERED

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Cohen, Philip

7 Alessi, Dario

8 Cross, Darren

10 (ii) TITLE OF INVENTION: CONTROL OF PROTEIN SYNTHESIS, AND SCREENING METHOD
11 FOR AGENTS

13 (iii) NUMBER OF SEQUENCES: 58

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: Braman & Rogalskyj, LLP

17 (B) STREET: P.O. Box 352

18 (C) CITY: Canandaigua

19 (D) STATE: New York

20 (E) COUNTRY: USA

21 (F) ZIP: 14424-0352

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Floppy disk

25 (B) COMPUTER: IBM PC compatible

26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

29 (vi) CURRENT APPLICATION DATA:

C--> 30 (A) APPLICATION NUMBER: US/09/845,667

C--> 31 (B) FILING DATE: 30-Apr-2001

32 (C) CLASSIFICATION:

50 (vii) PRIOR APPLICATION DATA:

35 (A) APPLICATION NUMBER: US 09/091,763

36 (B) FILING DATE: 19-JUN-1998

39 (A) APPLICATION NUMBER: PCT/GB96/03186

40 (B) FILING DATE: 20-DEC-1996

43 (A) APPLICATION NUMBER: GB 9526083.2

44 (B) FILING DATE: 20-DEC-1995

47 (A) APPLICATION NUMBER: GB 9610272.8

48 (B) FILING DATE: 16-MAY-1996

51 (A) APPLICATION NUMBER: GB 9615066.9

52 (B) FILING DATE: 18-JUL-1996

54 (viii) ATTORNEY/AGENT INFORMATION:

55 (A) NAME: Braman, Susan J

56 (B) REGISTRATION NUMBER: 34,103

57 (C) REFERENCE/DOCKET NUMBER: 002.00041

59 (ix) TELECOMMUNICATION INFORMATION:

60 (A) TELEPHONE: 716-393-3002

61 (B) TELEFAX: 716-393-3001

63 (2) INFORMATION FOR SEQ ID NO: 1:

65 (i) SEQUENCE CHARACTERISTICS:

66 (A) LENGTH: 11 amino acids

67 (B) TYPE: amino acid

68 (C) STRANDEDNESS: single

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69          (D) TOPOLOGY: linear
71      (ii) MOLECULE TYPE: peptide
75      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
77 Gly Arg Pro Arg Thr Ser Ser Phe Ala Glu Gly
78 1          5          10
80 (2) INFORMATION FOR SEQ ID NO: 2:
82      (i) SEQUENCE CHARACTERISTICS:
83          (A) LENGTH: 7 amino acids
84          (B) TYPE: amino acid
85          (C) STRANDEDNESS: single
86          (D) TOPOLOGY: linear
88      (ii) MOLECULE TYPE: peptide
92      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
94 Arg Pro Arg Ala Ala Thr Cys
95 1          5
97 (2) INFORMATION FOR SEQ ID NO: 3:
99      (i) SEQUENCE CHARACTERISTICS:
100          (A) LENGTH: 12 amino acids
101          (B) TYPE: amino acid
102          (C) STRANDEDNESS: single
103          (D) TOPOLOGY: linear
105      (ii) MOLECULE TYPE: peptide
109      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
112 Phe Pro Gln Phe Ser Tyr Ser Ala Ser Ser Thr Ala
113 1          5          10
115 (2) INFORMATION FOR SEQ ID NO: 4:
117      (i) SEQUENCE CHARACTERISTICS:
118          (A) LENGTH: 7 amino acids
119          (B) TYPE: amino acid
120          (C) STRANDEDNESS: single
121          (D) TOPOLOGY: linear
123      (ii) MOLECULE TYPE: peptide
125      (ix) FEATURE:
126          (A) NAME/KEY: Peptide
127          (B) LOCATION:2
128          (D) OTHER INFORMATION:/product= "OTHER"
129 /label= Xaa
130 /note= "CAN BE ANY AMINO ACID"
132      (ix) FEATURE:
133          (A) NAME/KEY: Peptide
134          (B) LOCATION:group(4, 5)
135          (D) OTHER INFORMATION:/product= "OTHER"
136 /label= Xaa
137 /note= "CAN BE ANY AMINO ACID,
138 INCLUDING SMALL AMINO
139 ACIDS, OTHER THAN GLYCINE"
141      (ix) FEATURE:
142          (A) NAME/KEY: Peptide
143          (B) LOCATION:7

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144          (D) OTHER INFORMATION:/product= "OTHER"
145 /label= Xaa
146 /note= "Xaa IS A LARGE
147 HYDROPHOBIC RESIDUE SUCH
148 AS LEU OR PHE"
150          (ix) FEATURE:
151          (A) NAME/KEY: Peptide
152          (B) LOCATION:6
153          (D) OTHER INFORMATION:/product= "OTHER"
154 /label= Xaa
155 /note= "Xaa MAY BE SERINE OR
156 THREONINE"
159          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 161 Arg Xaa Arg Xaa Xaa Xaa Xaa
162 1          5
164 (2) INFORMATION FOR SEQ ID NO: 5:
166          (i) SEQUENCE CHARACTERISTICS:
167          (A) LENGTH: 7 amino acids
168          (B) TYPE: amino acid
169          (C) STRANDEDNESS: single
170          (D) TOPOLOGY: linear
172          (ii) MOLECULE TYPE: peptide
174          (ix) FEATURE:
175          (A) NAME/KEY: Peptide
176          (B) LOCATION:group(2, 4, 5)
177          (D) OTHER INFORMATION:/product= "OTHER"
178 /label= Xaa
179 /note= "Xaa IS ANY AMINO ACID"
181          (ix) FEATURE:
182          (A) NAME/KEY: Peptide
183          (B) LOCATION:7
184          (D) OTHER INFORMATION:/product= "OTHER"
185 /label= Xaa
186 /note= "Xaa IS A LARGE
187 HYDROPHOBIC RESIDUE"
190          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
W--> 192 Arg Xaa Arg Xaa Xaa Ser Xaa
193 1          5
195 (2) INFORMATION FOR SEQ ID NO: 6:
197          (i) SEQUENCE CHARACTERISTICS:
198          (A) LENGTH: 7 amino acids
199          (B) TYPE: amino acid
200          (C) STRANDEDNESS: single
201          (D) TOPOLOGY: linear
203          (ii) MOLECULE TYPE: peptide
207          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
209 Arg Pro Arg Ala Thr Phe
210 1          5
212 (2) INFORMATION FOR SEQ ID NO: 7:

```

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```

214      (i) SEQUENCE CHARACTERISTICS:
215          (A) LENGTH: 7 amino acids
216          (B) TYPE: amino acid
217          (C) STRANDEDNESS: single
218          (D) TOPOLOGY: linear
220      (ii) MOLECULE TYPE: peptide
224      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
226 Arg Ser Arg Lys Glu Ser Tyr
227 1      5
229 (2) INFORMATION FOR SEQ ID NO: 8:
231      (i) SEQUENCE CHARACTERISTICS:
232          (A) LENGTH: 7 amino acids
233          (B) TYPE: amino acid
234          (C) STRANDEDNESS: single
235          (D) TOPOLOGY: linear
237      (ii) MOLECULE TYPE: peptide
239      (ix) FEATURE:
240          (A) NAME/KEY: Peptide
241          (B) LOCATION: group(2, 4, 5)
242          (D) OTHER INFORMATION: /product= "OTHER"
243 /label= Xaa
244 /note= "Xaa CAN BE ANY AMINO
245 ACID"
247      (ix) FEATURE:
248          (A) NAME/KEY: Peptide
249          (B) LOCATION: 7
250          (D) OTHER INFORMATION: /product= "OTHER"
251 /label= Xaa
252 /note= "Xaa IS A LARGE
253 HYDROPHOBIC RESIDUE"
256      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
W--> 258 Arg Xaa Arg Xaa Xaa Ser Xaa
259 1      5
261 (2) INFORMATION FOR SEQ ID NO: 9:
263      (i) SEQUENCE CHARACTERISTICS:
264          (A) LENGTH: 7 amino acids
265          (B) TYPE: amino acid
266          (C) STRANDEDNESS: single
267          (D) TOPOLOGY: linear
269      (ii) MOLECULE TYPE: peptide
273      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
275 Arg Pro Arg Thr Ser Ser Phe
276 1      5
278 (2) INFORMATION FOR SEQ ID NO: 10:
280      (i) SEQUENCE CHARACTERISTICS:
281          (A) LENGTH: 7 amino acids
282          (B) TYPE: amino acid
283          (C) STRANDEDNESS: single
284          (D) TOPOLOGY: linear

```

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Input Set : A:\es.txt

Output Set: N:\CRF3\12062001\I845667.raw

```
286      (ii) MOLECULE TYPE: peptide
288      (ix) FEATURE:
289          (A) NAME/KEY: Peptide
290          (B) LOCATION:group(4, 5)
291          (D) OTHER INFORMATION:/product= "OTHER"
292 /label= Xaa
293 /note= "Xaa IS ANY SMALL AMINO
294 ACID EXCEPT GLYCINE"
296      (ix) FEATURE:
297          (A) NAME/KEY: Peptide
298          (B) LOCATION:7
299          (D) OTHER INFORMATION:/product= "OTHER"
300 /label= Xaa
301 /note= "Xaa IS ANY LARGE
302 HYDROPHOBIC RESIDUE"
304      (ix) FEATURE:
305          (A) NAME/KEY: Peptide
306          (B) LOCATION:2
307          (D) OTHER INFORMATION:/product= "OTHER"
308 /label= Xaa
309 /note= "Xaa IS ANY AMINO ACID"
312      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
W--> 314 Arg Xaa Arg Xaa Xaa Ser Xaa
315 1      5
317 (2) INFORMATION FOR SEQ ID NO: 11:
319      (i) SEQUENCE CHARACTERISTICS:
320          (A) LENGTH: 6 amino acids
321          (B) TYPE: amino acid
322          (C) STRANDEDNESS: single
323          (D) TOPOLOGY: linear
325      (ii) MOLECULE TYPE: peptide
327      (ix) FEATURE:
328          (A) NAME/KEY: Peptide
329          (B) LOCATION:group(2, 3)
330          (D) OTHER INFORMATION:/product= "OTHER"
331 /label= Xaa
332 /note= "Xaa CAN BE ANY AMINO
333 ACID"
335      (ix) FEATURE:
336          (A) NAME/KEY: Peptide
337          (B) LOCATION:group(4, 6)
338          (D) OTHER INFORMATION:/product= "OTHER"
339 /label= Xaa
340 /note= "Xaa IS PHE OR TYR"
342      (ix) FEATURE:
343          (A) NAME/KEY: Peptide
344          (B) LOCATION:5
345          (D) OTHER INFORMATION:/product= "OTHER"
346 /label= Xaa
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VERIFICATION SUMMARY

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Input Set : A:\es.txt

Output Set: N:\CRF3\12062001\I845667.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
 L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
 L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
 L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
 L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
 L:1136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58